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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/310,667	
	Filing Date	May 12, 1999	
	First Named Inventor	David J. Ecker	
	Group Art Unit	1655	
	Examiner Name	Frank W. Lu	
Total Number of Pages in This Submission	3	Attorney Docket Number	IBIS-0012 (IBIS0035-101)

ENCLOSURES (check all that apply)

☒ **Fee Transmittal Form**

- ☐ Fee Attached
- ☐ Amendment / Response
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers
(for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation
Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s)

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s)
(please identify below):
References AA-AJ

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Christine A. Goddard/Reg. No. 46,731
Signature	
Date	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: July 21, 2003

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July 21, 2003

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known

Application Number 09/310,667
Filing Date May 12, 1999
First Named Inventor David J. Ecker
Examiner Name Frank W. Lu
Group / Art Unit 1655
Attorney Docket No. IBIS-0012 (IBIS0035-101)

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None
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FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		101	740	201	370	Utility filing fee	
		106	330	206	165	Design filing fee	
		107	510	207	255	Plant filing fee	
		108	740	208	370	Reissue filing fee	
		114	160	214	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

2. EXTRA CLAIM FEES

Total Claims - ** = X =
Independent Claims - ** = X =
Multiple Dependent X =

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
		103	18	203	9	Claims in excess of 20
		102	84	202	42	Independent claims in excess of 3
		104	280	204	140	Multiple dependent claim, if not paid
		109	84	209	42	** Reissue independent claims over original patent
		110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		105	130	205	65	Surcharge - late filing fee or oath	
		127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
		139	130	139	130	Non-English specification	
		147	2,520	147	2,520	For filing a request for reexamination	
		112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
		115	110	215	55	Extension for reply within first month	
		116	400	216	200	Extension for reply within second month	
		117	920	217	460	Extension for reply within third month	
		118	1,440	218	720	Extension for reply within fourth month	
		128	1,960	228	980	Extension for reply within fifth month	
		119	320	219	160	Notice of Appeal	
		120	320	220	160	Filing a brief in support of an appeal	
		121	280	221	140	Request for oral hearing	
		138	1,510	138	1,510	Petition to institute a public use proceeding	
		140	110	240	55	Petition to revive - unavoidable	
		141	1,280	241	640	Petition to revive - unintentional	
		142	1,280	242	640	Utility issue fee (or reissue)	
		143	460	243	230	Design issue fee	
		144	620	244	310	Plant issue fee	
		122	130	122	130	Petitions to the Commissioner	
		123	50	123	50	Processing fee under 37 CFR 1.17 (q)	
		126	180	126	180	Submission of Information Disclosure Stmt	180.00
		581	40	581	40	Recording each patent assignment per property (times number of properties)	
		146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
		149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
		179	740	279	370	Request for Continued Examination (RCE)	
		169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 180)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type) Christine A. Goddard Registration No. Attorney/Agent 46,731 Telephone 215-665-2000
Signature *Christine A. Goddard* Date July 21, 2003

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IBIS-0012 (IBIS0035-101)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David J. Ecker, et al : Art Unit: 1655
Serial No.: 09/310,667 : Examiner: Frank W. Lu
Filed: May 12, 1999 :
For: IDENTIFICATION OF :
MOLECULAR INTERACTION
SITES IN RNA FOR NOVEL
DRUG DISCOVERY

1655
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Christine A. Goddard
TYPED NAME: Christine A. Goddard
REGISTRATION NO: 46,734

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO/SB/08A submitted herewith.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention. In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of a Final Action under §1.113, but before the payment of the Issue Fee, therefore a Certification in Accordance with §1.97(e) accompanies this transmittal.

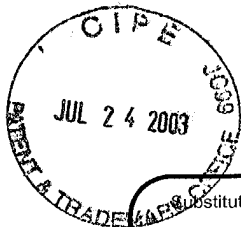
Respectfully submitted,


Christine A. Goddard
Attorneys for Applicant

Enclosures:
PTO/SB/08A

Dated: July 21, 2003

Cozen O'Connor
1900 Market Street
Philadelphia, PA 19103
Tel: 215-665-2000



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/310,667
		Filing Date	May 12, 1999
		First Named Inventor	David J. Ecker
		Group Art Unit	1655
		Examiner Name	Frank W. Lu
Sheet 1 of 1	Attorney Docket Number	IBIS-0012 (IBIS0035-101)	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	Westhoff and Michel, "Prediction and experimental investigation of RNA secondary and tertiary foldings," Frontiers in Molecular Biology; RNA-Protein Interactions, IRL Press, Oxford University, Oxford, England, UK, 1994, pp. 25-51.	
	AB	Gutell and Woese, "Higher order structural elements in ribosomal RNAs: pseudo-knots and the use of noncanonical pairs," Proc. Natl. Acad. Sci. USA (1990) 87:663-667.	
	AC	Zuker and Jacobson, "'Well-determined' regions in RNA secondary structure prediction: analysis of small subunit ribosomal RNA," Nucleic Acids Res. (1995) 23:2791-2798.	
	AD	Gaspin and Westhof, "An interactive framework for RNA secondary structure prediction with a dynamical treatment of constraints," J. Mol. Biol. (1995) 254:163-174.	
	AE	Zell and Stelzner, "Application of genome sequence information to the classification of bovine enteroviruses: the importance of 5'- and 3'-nontranslated regions," Virus Res. (1997) 51:213-229.	
	AF	Patzel and Sczakiel, "Theoretical design of antisense RNA structures substantially improves annealing kinetics and efficiency in human cells," Nature Biotechnol. (1998) 16:64-68.	
	AG	Good and Nielsen, "Inhibition of translation and bacterial growth by peptide nucleic acid targeted to ribosomal RNA, Proc. Natl. Acad. Sci. USA (1998) 95:2073-2076.	
	AH	Good and Nielsen, "Antisense inhibition of gene expression in bacteria by PNA targeted to mRNA," Nature Biotechnol. (1998) 16:355-358.	
	AI	Zhao and Lemke, "Rules for ribozymes," Mol. Cell. Neurosci. (1998) 11:92-97.	
	AJ	Ding and Lawrence, "Statistical prediction of single-stranded regions in RNA secondary structure and application to predicting effective antisense target sites and beyond," Nucleic. Acids Res. (2001) 29:1034-1046.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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